Attorney's Docket No.: 10559-105001 / P7639

Intel Corporation

#24|A

3-14-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Louis A. Lippincott   Art Unit : 2623
Serial No. : 09/458,370   Examiner : R. Hesseltine
Filed : December 9, 1999
Assignee : Intel Corporation
Title : TWO-DIMENSIONAL INVERSE DISCRETE COSINE TRANSFORMING

Commissioner for Patents
Washington, D.C. 20231

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RESPONSE TO THE ACTION DATED DECEMBER 4, 2002

Technology Center 2600

Please amend the application as follows:

In the claims:

Please cancel claims 18 and 22.

Please amend claim 16, 19 and 27 as follows:

15. (Amended) A method of implementing a two-dimensional inverse discrete cosine transform, comprising:

executing a first one-dimensional inverse discrete cosine transforming function in a first direction on a first matrix of coefficients to produce a matrix of intermediate results; and

executing a second one-dimensional inverse discrete cosine transforming function in a second, different direction on the matrix of intermediate results concurrent with the first function executing in the second direction on a second matrix of coefficients,

in which the functions switch periodically and concurrently between the first and second directions.

19. (Amended) A storage medium bearing a machine-readable program capable of causing a machine to: